

# Species Datasheet

Datasheet No. P-032.002.003  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

**Species:** *Cystopteris sudetica* A. Braun & Milde

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Cystopterisleucosoria* Schur

*Cystopterissudetica* var. *leptophylla* Milde

*Cystopterissudetica* var. *platyphylla* Milde

*Cystopterissudetica* var. *vulgaris* Milde

## 3. Systematic Position:

### Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Cystopteridaceae Schmakov
- Subfamily:
- Genus: *Cystopteris* Bernh.
- Species: *Cystopteris sudetica* A. Braun & Milde
- Subspecies:
- Variety:

## 4. Distribution:

**Global:** Austria, former Czechoslovakia, Germany, Norway, Poland, Romania, Carpathians, Sudetes, N-European Russia, C-European Russia, Baltic States, W-European Russia, Ukraine, Russia, Caucasus / Transcaucasus, W-Siberia, C-Siberia, Russian Far East, Japan, North Korea, China (Hebei, Heilongjiang, Jilin, Liaoning, Nei Mongol, Shanxi, Yunnan), Tibet,

**India:** Sikkim

**5.Indigenous/Exotic/Endemic;Cultivated/Wild:**

**6.Threat Status:**

**IUCN:**

**BSI:**

**7.Habit and Habitat:**

**8.Life Form:**

**9.Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

**12.Basic chromosome number(s):** $x=42^{1, 4, 5}$

**13. Zygotic chromosome number(s):** $2n=168^{14}$

**14. Gametic chromosome number(s):** $n=42^{1, 4, 5},$

$84^{23}$

**15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):**

Image file

**16.Ploidy level:**Diploid (sexual) $^{1, 4, 5},$

Tetraploid (sexual) $^{14, 23}$

Image file

**17. Agametoploidy:**

**18. Nature of polyploidy (auto, segmental, allo, autoallo):**

**19. Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):**

**21. Somatic chromosomes:**

**Karyotype**

**Chromosome size**

**NOR chromosome(s)**

**Degree of asymmetry**

Image file

**22. Banding pattern(s):**

Image file

**23. Physical mapping of chromosomes:**

**In situ hybridization**

Image file

**Fluorescent in situ hybridization:**

Image file

**24. Genomic in situ hybridization:**

Image file

**25. Linkage map:**

Image file

## **26.Chromosome associations:**

**Female meiosis**

**Male meiosis**Diploid: $42\text{II}^{1,4}$  ,

Tetraploid: $84\text{II}^{23}$

Image file

## **27.Chromosome distribution at anaphase I:**

## **28. Genetic diversity:**

**Chromosomal level**

Image file

**DNA level**

## **29.Any other information (Apomixis; Inversion; Male sterility;Pollen grain mitosis; Pollen stainability;Translocationsetc.):**